

S/N 09/945,535



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Kie Y. Ahn et al.	Examiner:	David S. Blum
Serial No.:	09/945,535	Group Art Unit:	2813
Filed:	August 30, 2001	Docket:	1303.026US1
Title:	HIGHLY RELIABLE AMORPHOUS HIGH-K GATE OXIDE ZrO ₂		

INFORMATION DISCLOSURE STATEMENT

MS RCE
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

In compliance with the duty imposed by 37 C.F.R. § 1.56, and in accordance with 37 C.F.R. §§ 1.97 *et. seq.*, the enclosed materials are brought to the attention of the Examiner for consideration in connection with the above-identified patent application. Applicants respectfully request that this Information Disclosure Statement be entered and the documents listed on the attached Form 1449 be considered by the Examiner and made of record. Pursuant to the provisions of MPEP 609, Applicants request that a copy of the 1449 form, initialed as being considered by the Examiner, be returned to the Applicants with the next official communication.

Pursuant to 37 C.F.R. §1.97(b), it is believed that no fee or statement is required with the Information Disclosure Statement. However, the Commissioner is hereby authorized to charge the required fees to Deposit Account No. 19-0743 in order to have this Information Disclosure Statement considered.

INFORMATION DISCLOSURE STATEMENT

Serial No :09/945,535

Filing Date: August 30, 2001

Title: HIGHLY RELIABLE AMORPHOUS HIGH-K GATE OXIDE ZrO2

Page 2

Dkt: 1303.026US1

Pursuant to 37 C.F.R. 1.98(a)(2), Applicant believes that copies of cited U.S. Patents and Published Applications, and Non-Published Applications identifiable by USPTO Serial Number, are no longer required to be provided to the Office. Notification of this change to this effect was provided in the United States Patent and Trademark Office OG Notices dated October 12, 2004 and October 19, 2004. Thus, Applicant has not included copies of any US Patents or US Patent Applications identifiable by serial number that may be cited with this submission. Should the Office require copies to be provided, Applicant respectfully requests that notice of such requirement be directed to Applicant's below-signed representative. Applicant acknowledges the requirement to submit copies of foreign patent documents and non-patent literature in accordance with 37 C.F.R. 1.98(a)(2).

The Examiner is invited to contact the Applicants' Representative at the below-listed telephone number if there are any questions regarding this communication.

Respectfully submitted,

KIE Y. AHN ET AL.

By their Representatives,

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.
P.O. Box 2938
Minneapolis, MN 55402
(612) 349-9587

Date

17 Aug '06

By

Timothy B. Clise
Timothy B. Clise
Reg. No. 40,957

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: MS RCE, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this 17 day of August 2006.

Lisa Rosarske
Name

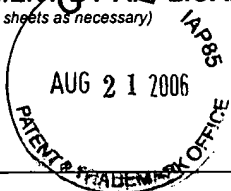
Lisa Rosarske
Signature

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)



Complete if Known

Application Number	09/945,535
Filing Date	August 30, 2001
First Named Inventor	Ahn, Kie
Group Art Unit	2813
Examiner Name	Blum, David

Sheet 1 of 2

Attorney Docket No: 1303.026US1

US PATENT DOCUMENTS

Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Filing Date If Appropriate
	US-20030032270A1	02/13/2003	Snyder, J. , et al.	08/10/2001
	US-20030062261A1	04/03/2003	Shindo, Y.	07/31/2002
	US-20040198069A1	10/07/2004	Metzner, C. , et al.	04/04/2003
	US-20060024975A1	02/02/2006	Ahn, Kie Y., et al.	08/02/2004
	US-20060028867A1	02/09/2006	Forbes, L. , et al.	08/03/2004
	US-20060028869A1	02/09/2006	Forbes, L. , et al.	08/03/2004
	US-20060043492A1	03/02/2006	Ahn, K. Y., et al.	08/29/2005
	US-20060043504A1	03/02/2006	Ahn, K. Y., et al.	08/31/2004
	US-20060046505A1	03/02/2006	Ahn, K. Y., et al.	08/26/2004
	US-20060046522A1	03/02/2006	Ahn, K. Y., et al.	08/31/2004
	US-20060054943A1	03/16/2006	Li, Hong-Jyh , et al.	09/14/2004
	US-20060125030A1	06/15/2006	Ahn, K. Y., et al.	12/13/2004
	US-20060128168A1	06/15/2006	Ahn, K. Y., et al.	12/13/2004
	US-20060148180A1	07/06/2006	Ahn, K. Y., et al.	01/05/2005
	US-6,365,470	04/02/2002	Maeda, T.	12/29/2000
	US-6,642,573	11/04/2003	Halliyal, A. , et al.	03/13/2002
	US-6,989,565	01/24/2006	Aronowitz, S. , et al.	10/31/2003
	US-7,026,694	04/11/2006	Ahn, K. Y., et al.	08/31/2004
	US-7,045,430	05/16/2006	Ahn, K. Y., et al.	05/02/2002
	US-7,049,192	05/23/2006	Ahn, K. Y., et al.	06/24/2003
	US-7,064,058	06/20/2006	Ahn, K. Y., et al.	01/30/2004
	US-7,081,421	07/25/2006	Ahn, K. Y., et al.	08/26/2004
	US-7,084,078	08/01/2006	Ahn, K. Y., et al.	08/29/2002

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	T ²
	WO-2006026716A1	03/09/2006	Ahn, Kie , et al.	

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		AHN, KIE Y., "ATOMIC LAYER DEPOSITED LANTHANUM HAFNIUM OXIDE DIELECTRICS", <u>U.S. Application Serial No. 11/010,529; filed December 13, 2004</u>	
		AHN, KIE Y., "COBALT TITANIUM OXIDE DIELECTRIC FILMS", <u>U.S. Application Serial No. 11/216,958, filed August 31, 2005</u>	
		AHN, KIE Y., "GALLIUM LANTHANIDE OXIDE FILMS (working title)", (<u>U.S. Application Serial No. 11/329,025</u>	

EXAMINER**DATE CONSIDERED**

Substitute Disclosure Statement Form (PTO-1449)

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 606. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.¹ Applicant's unique citation designation number (optional) ² Applicant is to place a check mark here if English language Translation is attached

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	09/945,535
Filing Date	August 30, 2001
First Named Inventor	Ahn, Kie
Group Art Unit	2813
Examiner Name	Blum, David

Sheet 2 of 2

Attorney Docket No: 1303.026US1

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		AHN, KIE Y., "LANTHANUM ALUMINUM OXYNITRIDE DIELECTRIC FILMS", U.S. Application Serial No. 11/216,474, filed August 31, 2005	
		AHN, KIE Y., "ZIRCONIUM-DOPED GADOLINIUM OXIDE FILMS", <u>U.S.</u> Application Serial No. 11/215,578, filed August 29, 2005	
		KRAUS, BRENDA, "CONDUCTIVE NANOPARTICLES", <u>U.S. Application</u> Serial No. 11/197184, filed 8/4/2005,	
		VAN DOVER, R B., "Amorphous lanthanide-doped TiOx dielectric films", Applied Physics Letters, 74(20), (May 1999),3041-3043	

EXAMINER**DATE CONSIDERED**

Substitute Disclosure Statement Form (PTO-1449)

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional) ² Applicant is to place a check mark here if English language Translation is attached